

# Eaton 199544

Catalog Number: 199544

Eaton Main switch, 40 A, surface mounting, 3 pole, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position



## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton J-Range enclosed switch-disconnector	199544
	<b>Product Length/Depth</b>
	115 mm
<b>Product Height</b>	<b>Product Width</b>
180 mm	100 mm
<b>Product Weight</b>	<b>Certifications</b>
0.447 kg	VDE 0660
	IEC/EN 60947
	IEC/EN 60947-3
	IEC/EN 60204
<b>Catalog Notes</b>	<b>Model Code</b>
Rated Short-time Withstand Current (Icw) for a time of 1 second	J40/R

## Jellemzők és funkciók

### Features

Version as emergency stop installation  
Version as main switch  
Version as safety switch  
Version as maintenance-/service switch

### Fitted with:

Red rotary handle and yellow locking ring  
Assembly sheet screen  
Push-through cable entry diaphragm

### Functions

Interlockable  
Emergency switching off function

### Locking facility

Lockable in the 0 (Off) position

### Number of poles

Three-pole

## Általános

### Degree of protection

NEMA 12

### Degree of protection (front side)

IP65

### Lifespan, mechanical

300,000 Operations

### Mounting method

Surface mounting

### Mounting position

As required

### Operating frequency

1200 Operations/h

### Overvoltage category

III

### Pollution degree

3

### Product Category

Main switch

### Rated impulse withstand voltage (Uimp)

6000 V AC

### Safe isolation

440 V AC, Between the contacts, According to EN 61140

### Safety parameter (EN ISO 13849-1)

B10d values as per EN ISO 13849-1, table C.1

### Shock resistance

15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms

### Suitable for

Ground mounting

## Környezeti feltételek

Ambient operating temperature (enclosed) - min  
-25 °C

Ambient operating temperature (enclosed) - max  
40 °C

## Beköthető keresztmetszetek

### Terminal capacity

2 x (1 - 4) mm<sup>2</sup>, flexible with ferrules to DIN 46228

1 x (1.5 - 10) mm<sup>2</sup>, solid or stranded

1 x (1 - 4) mm<sup>2</sup>, flexible with ferrules to DIN 46228

#### Climatic proofing

Damp heat, constant, to IEC 60068-2-78

Damp heat, cyclic, to IEC 60068-2-30

2 x (1.5 - 6) mm<sup>2</sup>, solid or stranded

#### Screw size

M4, Terminal screw

#### Tightening torque

1.6 Nm, Screw terminals

### Elektromos jellemző

Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)

260 A

Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)

300 A

Rated breaking capacity at 500 V (cos phi to IEC 60947-3)

290 A

Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)

250 A

Rated operational current (Ie) at AC-21, 440 V

40 A

Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms

40 A

Rated operational power at AC-3, 380/400 V, 50 Hz

0 kW

Rated operational power at AC-23A, 400 V, 50 Hz

16 kW

Rated operational voltage (Ue) at AC - max

690 V

Rated uninterrupted current (Iu)

40 A

#### Uninterrupted current

Rated uninterrupted current Iu is specified for max. cross-section.

### Rövidzárlatállóság

Rated conditional short-circuit current (Iq)

80 kA

Rated short-time withstand current (Icw)

0.64 kA

640 A, Contacts, 1 second

Short-circuit protection rating

50 A gG/gL, Fuse, Contacts

### Kapcsolási képesség

Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)

320 A

Voltage per contact pair in series

60 V

### Érintkezők

Number of auxiliary contacts (change-over contacts)

0

Number of auxiliary contacts (normally closed contacts)

0

Number of auxiliary contacts (normally open contacts)

0

### Működtetőegység

Actuator color

Red

Actuator type

Door coupling rotary drive

#### 10.2.2 Corrosion resistance

Meets the product standard's requirements.

#### 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

#### 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

#### 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

#### 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.2.7 Inscriptions

Meets the product standard's requirements.

#### 10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.4 Clearances and creepage distances

Meets the product standard's requirements.

#### 10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

#### 10.8 Connections for external conductors

Is the panel builder's responsibility.

#### 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

#### 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

3D modellek

J-RANGE\_RD.STEP

Telepítési útmutató

IL008060ZU

#### 10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

#### 10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

#### 10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

#### 10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

#### 10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.



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